

WHITE PAPER – Filters, Strainers and Separators.

Fixed head mount WIF sensor advantages for Transportation and Ag use.

PURPOSE – The purpose of this white paper is to highlight the advantages of a fixed head mount internal water-in-fuel (WIF) sensor system.

THE PROBLEM – Installation of fuel filter/ water separators in areas that are prone to the elements, can cause damage to WIF sensor wiring and sensing probes. Road debris, dirt, salt, ice, slush and other hostile conditions can cause physical damage and water intrusion that leads to sensor and wire harness failure.

SOLUTION - A fixed head mount internal probe system reduces the chance of damage and contamination to WIF sensor wiring and probes.



AutoSig® - The recent introduction of the AutoSig® Smart Filter System Fuel Filter/ Water Separator, utilizes a disruptive technology that places the disposable water-in-fuel probe INSIDE the filter housing.

AutoSig® is engineered for the transportation and agriculture industries with a disposable spin on filter that can be easily replaced while the electronics stay mounted in the filter head. AutoSig® Smart Fuel Filters can communicate directly with ECM computers or instrument panel indicators.

WHAT – A fuel filter water separator provides a space in the bottom of the separator’s dirty side for collection of water. Separating water from fuel can prevent or at least reduce damage to the fuel injection system, hard starting, loss of power, misfiring, surging or stalling.

WHERE - Fuel filter water separators are found between the fuel tank and the engine in diesel fuel and gasoline powered trucks, busses, agriculture equipment and other equipment.